



U.S. Department of Energy  
Energy Efficiency  
and Renewable Energy



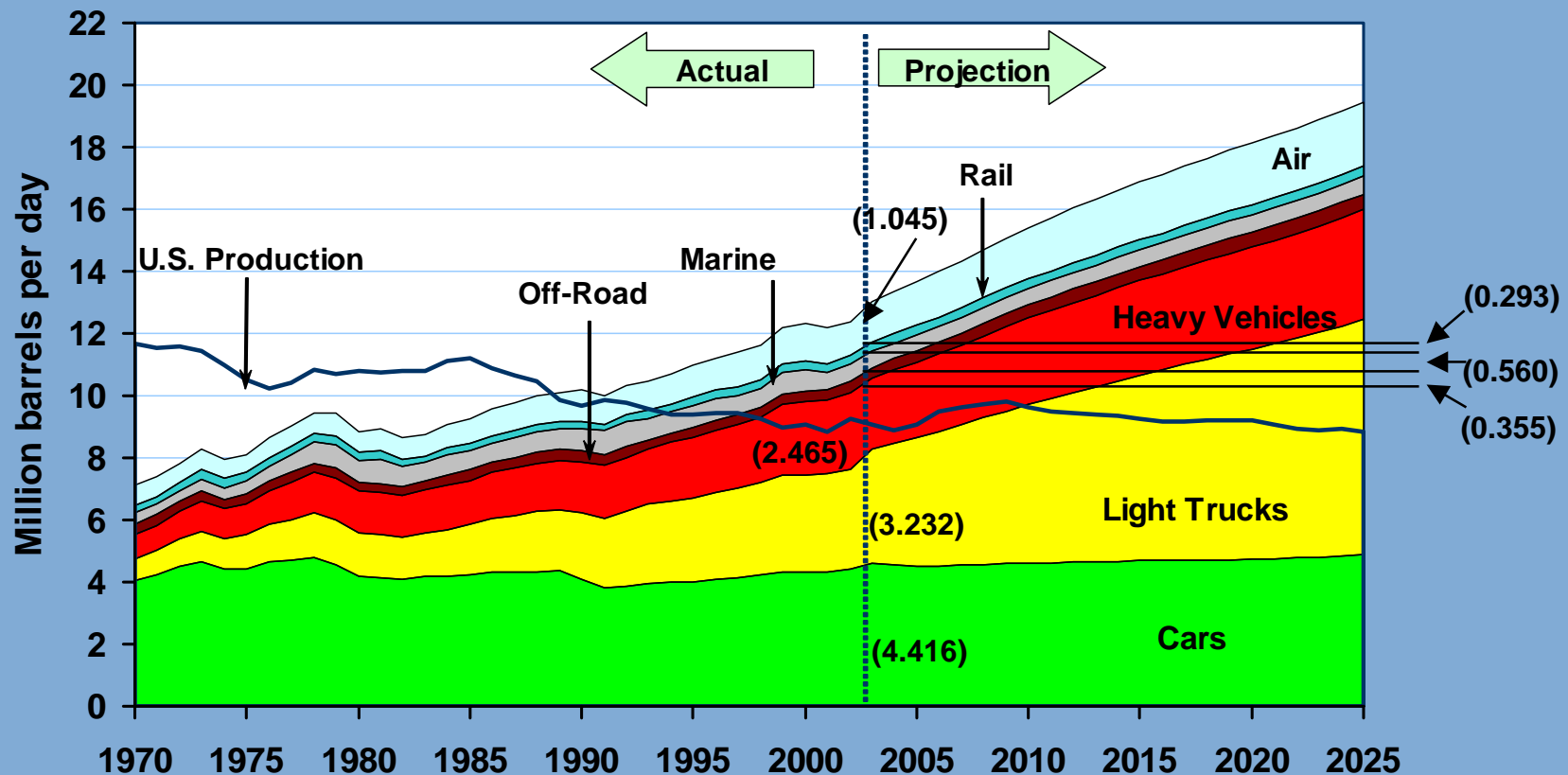
# FreedomCAR & Vehicle Technologies Program and Clean Cities

## Collaborating to Cut Oil Dependence

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FCVT Program Manager  
Clean Cities Program Review  
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# Transportation Petroleum Use - By Mode

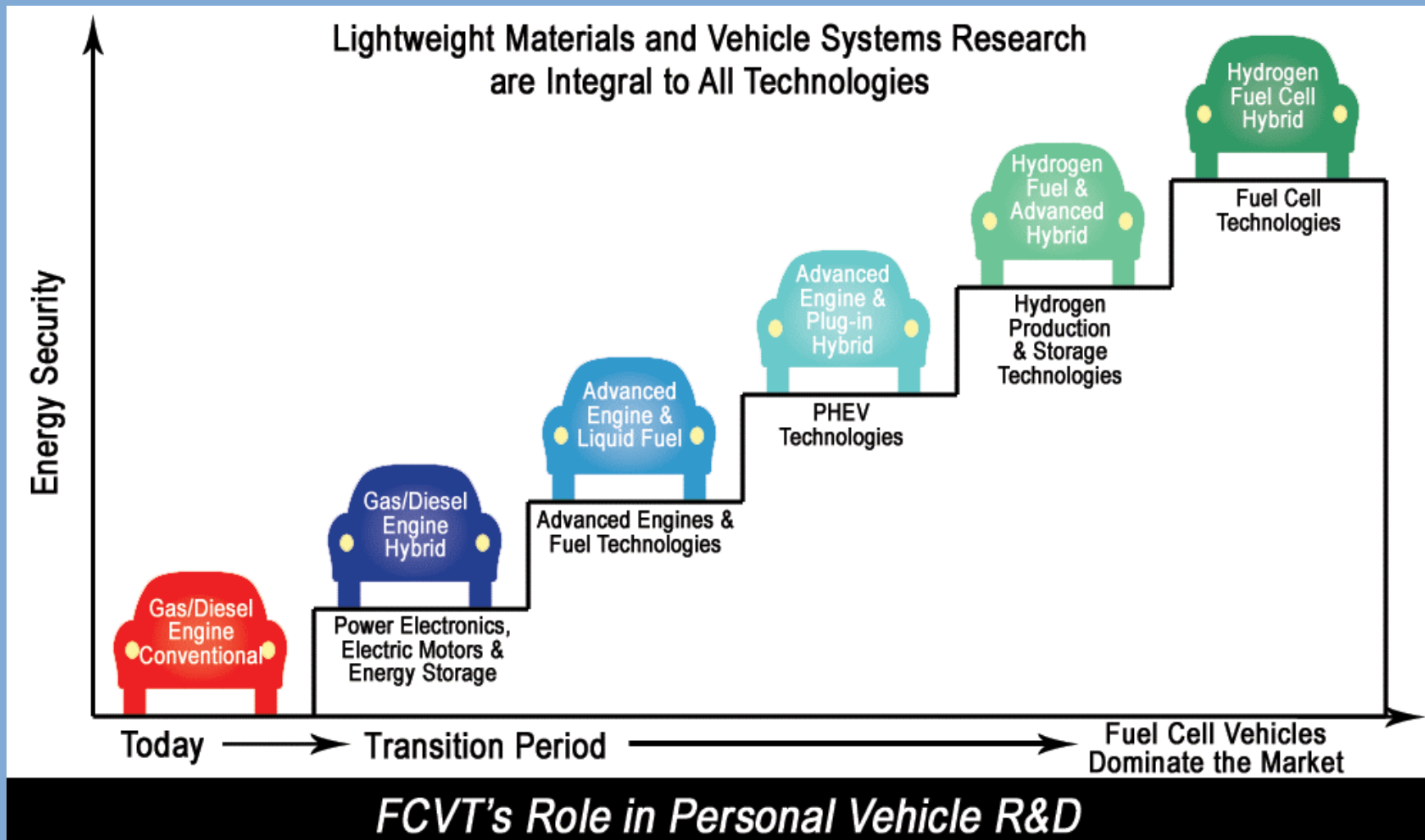


Note: Domestic production includes crude oil, natural gas plant liquids, refinery gain, and other inputs. This is consistent with EIA, MER, Table 3.2. Previous versions of this chart included crude oil and natural gas plant liquids only.

Source: Transportation Energy Data Book: Edition 24, ORNL-6973, and EIA Annual Energy Outlook 2005, Preliminary release, December 2004.

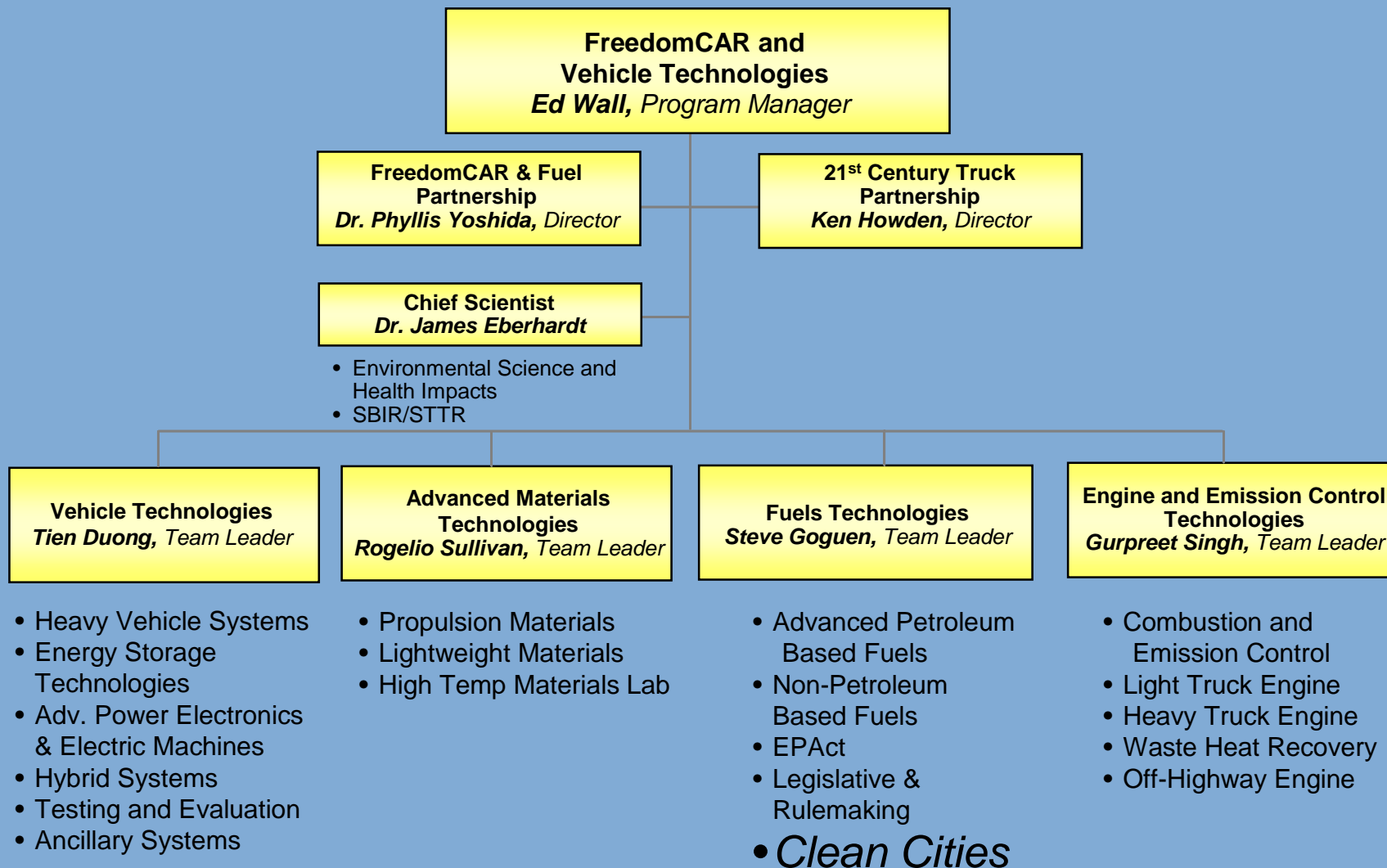


# Strategic Approach to Transportation Security





## FreedomCAR & Vehicle Technologies Organization





## Regional Office Consolidation:

### *Strengthening DOE with Minimal Disruption of Clean Cities Activities*

All Regional Staff will be offered positions at Golden Field Office (GO) or National Energy Technology Laboratory (NETL) in Pittsburgh or Morgantown

Regional staffers will provide the same Clean Cities support after the transition

DOE will refill positions that Regional staff do not take  
EERE's Project Management Center (PMC)

- Is comprised of the Golden Field Office and the National Energy Technology Lab
- Streamlines and adds consistency to project management; Creates synergy between EERE, States, National Labs and other DOE offices, such as Fossil Energy

Target date for transition is July 1<sup>st</sup>





# Recent Developments: Contributing to the Evolution of FCVT and Clean Cities

## 2006 State of the Union Address: President's Advanced Energy Initiative

- 22% increase in Clean Energy research
- Reduce dependence on Petroleum
  - Biofuels, Battery technology and Hybrid Electric Vehicles including Plug-ins

## EPA Act 2005

- Consumer tax credits create incentives for blended fuels, infrastructure and vehicles
  - Up to \$4,000 per vehicle for dedicated alternative fuel, energy-efficient hybrid, clean diesel, and fuel cell vehicles.
- New grants through EPA for school districts to purchase emission control retrofit technology
- DOT and EPA address Idle Reduction

## Automakers embrace Renewable Fuels:

- GM and Ford plan to produce 400,000 and 250,000 flex fuel vehicles respectively in 2006
- Major promotional campaigns initiated
- DaimlerChrysler approves B20 for use in certain models



# Clean Cities Today: Grant Opportunities

- E85 Infrastructure Development
  - \$1.49M will go to National Ethanol Vehicle Coalition
- Petroleum Displacement Technologies
  - \$2M
- Industry Partnership Grants  
(e.g. biodiesel and propane)
  - \$200,000
  - Cost-sharing with Industry





# Petroleum Displacement Grants

- Multi-state and coalition approaches are encouraged
  - E.g. Clean Cities Coalitions, State organizations, energy suppliers, fuel retailers, auto dealers and manufacturers, equipment suppliers, and other stakeholders
- Proposals evaluated on petroleum displaced per dollar spent; past performance; and potential for a successful outcome
- Technologies could include alternative fuel infrastructure, incremental vehicle cost and idle reduction technologies
- E85 proposals must include plans for outreach and image consistency
- Coordinators may propose a management fee if they are substantitively involved in the project





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# Office of Energy Efficiency and Renewable Energy

<http://www.eere.energy.gov>



*Bringing you a prosperous future where energy  
is clean, abundant, reliable, and affordable*